

**JP 02269734**

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DNN N1990-284008 DNC C1990-162145  
TI New polyphenylene-type polymer - prepd. by oxidn. polymerisation of fluorene deriv..  
DC A26 A85 L03 U11 X12  
PA (IDEK) IDEMITSU KOSAN CO LTD  
CYC 1  
PI JP 02269734 A 19901105 (199050)\*  
ADT JP 02269734 A JP 1989-91476 19890411  
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AB JP 02269734 A UPAB: 19930928  
Polyphenylene-type polymer has repeated unit of formula (I) and at least 3,000 of wt. average mol. wt. where R1 = H or 1-30C alkyl gp.; R2 = 3-30C alkyl gp.; R1 and R2 may be same or different.  
Prepn. of the polyphenylene-type polymer comprises chemical oxidn.-polymerisation or electrochemical oxidn.-polymerisation of fluorene deriv. of formula (II):  
USE/ADVANTAGE - The polyphenylene-type polymer is useful as electric conductive material, displaying material, engineering plastics etc. Compared with conventional ones, the polymer has superior solvent-solubility, thermoplastic property and electric conductivity comparable to polyacetylene or polythiophene.  
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